## **SIEMENS**

Data sheet 3LD2030-1TL13



SENTRON, Switch disconnector 3LD, emergency switching-off switch, 4- pole, lu: 16 A, operating power / at AC-23 A 400 V: 7.5 kW, installation in distribution boards, knob-operated mechanism, Red / yellow, handle direct at the switch

Model	
product brand name	SENTRON
product designation	Switch disconnector
design of the product	EMERGENCY-STOP switch
display version for switch position indicator manual operation	1 ON - 0 OFF
type of switch	DIN-rail mounting
design of the actuating element	selector switch
color of the actuating element	red
design of handle	knob-operated mechanism, red/yellow
type of the driving mechanism motor drive	No
General technical data	
number of poles	4
size of switch disconnector	1
mechanical service life (operating cycles) typical	100 000
electrical endurance (operating cycles)	
• at AC-23 A at 690 V	6 000
operating frequency maximum	50 1/h
degree of pollution	3
Voltage	
insulation voltage rated value	690 V
surge voltage resistance rated value	6 kV
operating voltage	
at AC rated value	690 V
operating frequency rated value	
• minimum	50 Hz
• maximum	60 Hz
Protection class	
protection class IP	IP40
protection class IP on the front	IP40
Dissipation	
power loss [W] for rated value of the current at AC in hot operating state per pole	0.5 W
Main circuit	
operational current	
• at AC-21 at 690 V rated value	16 A
• at AC-21 A at 240 V rated value	16 A
• at AC-21 A at 400 V rated value	16 A
• at AC-21 A at 440 V rated value	16 A
• at AC-23 A at 400 V rated value	16 A
operating power	

e at AC-23 A at 400 V rated value 7.5 kW 9 e At AC-3 A at 500 V rated value 5.0 kW 9 e At AC-3 at 200 V rated value 5.0 kW 9 e At AC-3 at 200 V rated value 5.0 kW 9 e At AC-3 at 200 V rated value 5.5 kW 9 e At AC-3 at 200 V rated value 5.5 kW 9 e At AC-3 at 200 V rated value 5.5 kW 9 e At AC-3 at 200 V rated value 5.5 kW 9 e At AC-3 at 200 V rated value 6.0 kW 9 e At AC-3 at 200 V rated value 7 e At AC-3 at 200 V rated value 8 e At AC-3 at 200 V rated value 9 e At AC-3 at 200 V rated value		
e al AC-23 A at 440 V rated value 9 8 W 9 1 AC-23 at 240 V rated value 9 8 W 9 1 AC-23 at 240 V rated value 9 8 W 9 1 AC-23 at 240 V rated value 9 8 W 9 1 AC-23 at 240 V rated value 9 8 W 9 1 AC-23 at 240 V rated value 9 8 W 9 1 AC-23 at 240 V rated value 5 5 5 W 9 1 AC-23 at 240 V rated value 5 5 5 W 9 1 AC-23 at 240 V rated value 5 5 5 W 9 1 AC-23 at 240 V rated value 5 5 5 W 9 1 AC-23 at 240 V rated value 9 1 AC-23 at 240 V rated rated value 9 1 AC-23 at 240 V rated rated value 9 1 AC-23 at 240 V rated rated value 9 1 AC-23 at 240 V rated rated value 9 1 AC-23 at 240 V rated rated value 9 1 AC-23 at 240 V rated rated value 9 1 AC-23 at 240 V rated rated value 9 1 AC-23 at 240 V rated rated value 9 1 AC-23 at 240 V rated rated value 9 1 AC-23 at 240 V rated rated value 9 1 AC-23 at 240 V rated rated value 9 1 AC-23 at 240 V rated rated value 9 1 AC-23 at 240 V rated rated rated value 9 1 AC-23 at 240 V rated rated rated value 9 1 AC-23 at 240 V rated rated rated value 9 1 AC-23 at 240 V rated rated rated value 9 1 AC-23 at 240 V rated rated rated rated value 9 1 AC-23 at 240 V rated rate		4 kW
e At AC-3 at 46 80 V rated value 3 kW   • At AC-3 at 40 OV rated value 5 kW   • At AC-3 at 40 OV rated value 5 kW   • At AC-3 at 40 OV rated value 5 kW   • At AC-3 at 40 OV rated value 5 kW   Anuther of CO contacts for auxillary contacts 0   number of CO contacts for auxillary contacts 0   number of NC contacts for auxillary contacts 0   number of NC contacts for auxillary contact and Consumum 5 kW   persenting values of auxillary contact and Consumum 5 kW   persenting values of auxillary contact and Consumum 5 kW   persenting values of the auxillary switch rated value 500 V   continuous current of the auxillary switch rated value 500 V   suitability for use 6 km   • main which 7 km  • witch disconnector 7 km  • anither anither of the switch 1 km  • maintenance-begas switch 7 km  • rated the auxillary contacts for auxillary contacts 1 km  • maintenance-begas switch 7 km  • notice of the 4 km  • notice of contects for auxillary contacts 1 km  • notice of contects for auxillary contacts 1 km  • notice of the 4 km  • notice of contects for auxillary contacts 1 km  • notice of contects for auxillary contacts 1 km  • notice of the bradel took 5 km  • auxillary contacts 1 km  • auxillary contacts	<ul> <li>at AC-23 A at 400 V rated value</li> </ul>	8 kW
e at ACS at 240 V rated value e at ACS at 650 V rated value e 3 ACS at 650 V rated value  5 5 KW  Auxiliary circuit  number of CO contacts for auxiliary contacts 0 number of NC contacts for auxiliary contacts 0 number of NC contacts for auxiliary contacts 0 operating voltage of auxiliary contacts at AC maximum continuous current of the auxiliary contact rated value poperating voltage of auxiliary contact at AC auximum continuous current of the auxiliary contact rated value insulation voltage of the auxiliary switch rated value  • main switch • wanth disconnector • extension system • main switch • wanth disconnector • Yes • EMERGENCY OFF switch • was the disconnector • Yes • EMERGENCY OFF switch • analy switch • maintenancorepair switch • Yes • maintenancorepair switch • voltage trigger  number of connectable NC contacts for auxiliary contacts attachable maximum  number of connectable NC contacts for auxiliary contacts attachable maximum  number of connectable NC contacts for auxiliary contacts attachable maximum  number of connectable NC contacts for auxiliary contacts attachable maximum  number of connectable NC contacts for auxiliary contacts attachable maximum  number of connectable NC contacts for auxiliary contacts attachable maximum  1 attachable maximum  number of connectable NC contacts for auxiliary contacts attachable maximum  2 attachable maximum  1 attachable maximum  2 att		
e at ACS at 480 V rated value 6.5 kW  Auxiliary critorion  number of CC contacts for auxiliary contacts 0 number of NC contacts for auxiliary contacts 100 v continuous current of the auxiliary contact ated value 10.4 v insulation votage of the auxiliary switch rated value 10.5 v insulation votage of the auxiliary switch rated value 10.5 v  suitability for use 1 number of NC contacts for auxiliary switch rated value 10.5 v  switch disconnector Yes 1 number of NC contacts for auxiliary contacts 1 number of NC contacts for auxiliary contacts 1 number of connectable NC		-
** at AC-3 at 600 V rated value  Auxiliary pictorial.  number of ICC contacts for auxiliary contacts 0 number of INC contacts for auxiliary contacts 0 operating voltage of auxiliary contacts at AC maximum continuous current of the auxiliary contact at at 4 value insulation voltage of the auxiliary switch rated value insulation voltage of the auxiliary switch rated value  **Total switch **Total distalls  product feature can be locked into OFF position **Total switch *		
Auxiliary circuit rumber of CO contacts for auxiliary contacts		
number of CO contacts for auxiliary contacts 0 number of NC contacts for auxiliary contacts 0 number of NC contacts for auxiliary contacts 1 operating voltage of deutiliary contacts at AC maximum 500 V continuous current of the auxiliary contact rated value 500 V strability suitability suitability suitability for use  * main switch Yes  * want to disconnector Yes  * EMERGENCY OFF switch Yes  * analysy witch Yes  * analysy witch Yes  * analysy witch  * analysis witch Yes  * maintenance/repair switch Yes  * maintenance/repair switch Yes  * maintenance/repair switch Yes  * montrothive  * voltage trigger  * product feature can be locked into OFF position  * working trigger  * product feature can be locked into OFF position  * working trigger  * product feature can be locked into OFF position  * morbor drive  * voltage trigger  * No  * voltage trigger  * No  * unable of connectable NC contacts for auxiliary contacts  * statishable meaninum  * number of connectable NC contacts for auxiliary contacts  * statishable meaninum  * number of connectable CO contacts for auxiliary contacts  * statishable meaninum  * number of connectable CO contacts for auxiliary contacts  * statishable meaninum  * number of connectable NC contacts for auxiliary contacts  * statishable meaninum  * number of connectable CO contacts for auxiliary contacts  * statishable meaninum  * number of connectable NC contacts for auxiliary contacts  * statishable meaninum  * number of connectable NC contacts for auxiliary contacts  * statishable meaninum  * number of connectable NC contacts for auxiliary contacts  * statishable meaninum  * number of connectable NC contacts for auxiliary contacts  * statishable meaninum  * number of connectable NC contacts for auxiliary contacts  * statishable meaninum  * statishable me		5.5 kW
number of NC contacts for auxiliary contacts  personal control of NC contacts of auxiliary contacts at AC maximum  continuous current of the auxiliary contacts at AC maximum  solid violation of auxiliary contact and value  Sol V  suitability for use  anian which  awitch disconnector  **EMERKENCY OFF switch  **switch disconnector  **Yes  **Switch disconnector  **Yes  **Switch disconnector  **Yes  **Product dotails  **product deature can be locked into OFF position  **Yes  **Scocsorias  **product extension optional  **monitor drive  **No  **No  **No  **Successorias  **product extension optional  **monitor drive  **No  **		
number of NO contacts for auxiliary contacts at AC maximum continuous current of the auxiliary contact at at Contacts insulation voltage of the auxiliary switch rated value suitability suitability suitability suitability for use — main switch — eximal switch — Yes — eximal switch — No — eximal switch — e		
coperating voltage of auxiliary contacts at AC maximum 500 V continuous current of the auxiliary contact rated value 500 V suitability suitability for use  • main switch • writch disconnector Yes • safety switch Yes • maintenance/repair switch Yes • motive Active Activ		
continuous current of the suxiliary contact rated value insulation voltage of the auxiliary switch rated value  suitability for use  main switch  switch disconnector  EMERGENCY OFF switch  safety switch  safety switch  main switch  **Switch disconnector  EMERGENCY OFF switch  **Yes  maintenance/repair switch  Yes  maintenance/repair switch  Yes  maintenance/repair switch  Yes  product deature  motor drive  **No  number of connectable NC contacts for auxiliary contacts  attachable maximum  number of connectable NC contacts for auxiliary contacts  attachable maximum  number of connectable NC contacts for auxiliary contacts  attachable maximum  number of connectable NC contacts for auxiliary contacts  attachable maximum  number of bracket locks maximum  attachable maximum  2 hasp brinkness of the bracket locks  Short circuit  contribinal short-circuit current with line-side fuse protection  at 800 V by gG fuse rated value  10 telethrough current with olosed switch  at 440 V for combination switch + gG fuse maximum  at 480 V for combination switch + gG fuse maximum  at 480 V for combination switch + gG fuse maximum  at 480 V for combination switch + gG fuse maximum  at 480 V for combination switch + gG fuse maximum  at 480 V for combination switch + gG fuse maximum  at 480 V for combination switch + gG fuse maximum  at 480 V for combination switch + gG fuse maximum  at 480 V for combination switch + gG fuse maximum  at 480 V for combination switch + gG fuse maximum  at 480 V for combination switch + gG fuse maximum  at 480 V for combination switch + gG fuse maximum  at 480 V for combination switch + gG fuse maximum  at 480 V for combination switch + gG fuse maximum  at 480 V for combination switch + gG fuse maximum  at 480 V for combination switch + gG fuse maximum  at 480 V for combination switch + gG fuse maximum  at 480 V for combination switch + gG fuse maximum  at 480 V for combination switch + gG fuse fuse fuse	-	
insulation voltage of the auxiliary switch rated value  **Stratibility**  **Initiation for use  **main switch  **switch disconnector  **EMERGENCY OFF switch  **safety switch  **maintenance/repair switch  **maintenance/repair switch  **resides switch  **motive dature can be looked into OFF position  **resides switch  **motive draw  **not of drive  **voltage trigger  No  **noncetable INC contacts for auxiliary contacts  **attachable maximum  **umber of connectable INC contacts for auxiliary contacts  **attachable maximum  **umber of brancetable INC contacts for auxiliary contacts  **attachable maximum  **umber of brancetable INC contacts for auxiliary contacts  **attachable maximum  **umber of brancetable INC contacts for auxiliary contacts  **attachable maximum  **umber of brancetable INC contacts for auxiliary contacts  **attachable maximum  **umber of brancetable INC contacts for auxiliary contacts  **attachable maximum  **umber of brancetable INC contacts for auxiliary contacts  **attachable maximum  **phickness of the bracket locks  **3.Not circuit  **attachable maximum  **attachable maximu		
Suitability suitability suitability for use		
suitability for use  main switch switch disconnector Switch switch disconnector Switch Switch Safety switch Safety switch Safety switch	,	500 V
* main switch     * switch disconnector     * EMERGENCY OFF switch     * safety switch     * safety switch     * safety switch     * maintenance/repair switch     * Yes     * maintenance/repair switch     * Yes     * product details     product feature can be locked into OFF position     * recessories     * product extension optional     * motor drive     * voltage finger     * notor drive     * voltage finger     * No     * voltage finger     * nonectable NC contacts for auxiliary contacts attachable maximum     * unumber of connectable NC contacts for auxiliary contacts attachable maximum     * unumber of connectable NC contacts for auxiliary contacts attachable maximum     * unumber of connectable NC contacts for auxiliary contacts attachable maximum     * unumber of connectable OC contacts for auxiliary contacts attachable maximum     * unumber of connectable CO contacts for auxiliary contacts attachable maximum     * unumber of connectable CO contacts for auxiliary contacts attachable maximum     * unumber of connectable CO contacts for auxiliary contacts attachable maximum     * unumber of connectable CO contacts for auxiliary contacts attachable maximum     * unumber of trackel locks maximum     * attact of the bracket locks     * 4 6 mm     * attachable maximum     * attact of the procket locks     * 50 KA    let-through current with closed switch     * attact of for combination switch + gG fuse maximum     * attaction of for combination switch + gG fuse maximum     * attaction of for combination switch + gG fuse maximum     * attaction of for combination switch + gG fuse maximum     * attaction of for combination switch + gG fuse maximum     * attaction of for combination switch + gG fuse maximum     * attaction of for combination switch + gG fuse maximum     * attaction of for combination switch + gG fuse maximum     * attaction of for combination switch + gG fuse maximum     * attaction of for combination switch + gG fuse maximum     * attaction of for for combination switch + gG fuse maximu		
Switch disconnector  EMERCENCY OFF switch  Safety switch  Tress witch	•	
EMERGENCY OFF switch  safety switch  safety switch  Product details  product feature can be locked into OFF position  Product extension optional  motor drive  voltage trigger  number of connectable NC contacts for auxiliary contacts attachable maximum  number of connectable NC contacts for auxiliary contacts attachable maximum  number of connectable NO contacts for auxiliary contacts attachable maximum  number of connectable NO contacts for auxiliary contacts attachable maximum  number of connectable NO contacts for auxiliary contacts attachable maximum  number of connectable NO contacts for auxiliary contacts attachable maximum  number of connectable NO contacts for auxiliary contacts attachable maximum  number of connectable NO contacts for auxiliary contacts attachable maximum  number of connectable NO contacts for auxiliary contacts attachable maximum  number of connectable NO contacts for auxiliary contacts attachable maximum  1		
* safety switch     * wanthenance/repair switch     * Yes     * maintenance/repair switch     * Yes     * maintenance/repair switch     * Yes     * word duct deature can be locked into OFF position     * product extension optional     * motor drive     * voltage trigger     number of connectable NC contacts for auxiliary contacts     attachable maximum     number of connectable NC contacts for auxiliary contacts     attachable maximum     number of connectable NO contacts for auxiliary contacts     attachable maximum     number of connectable NO contacts for auxiliary contacts     attachable maximum     number of connectable NO contacts for auxiliary contacts     attachable maximum     number of broket locks maximum     a table through current with line-side fuse protection     * at 690 V by gG fuse rated value     * at 490 V by conditional switch + gG fuse maximum     * at 440 V for combination switch + gG fuse maximum     * at 440 V for combination switch + gG fuse maximum     * at 440 V for combination switch + gG fuse maximum     * at 440 V for combination switch + gG fuse maximum     * at 440 V for combination switch + gG fuse maximum     * at 440 V for combination switch + gG fuse maximum     * at 440 V for combination switch + gG fuse maximum     * at 440 V for combination switch + gG fuse maximum     * at 440 V for combination switch + gG fuse maximum     * at 440 V for combination switch + gG fuse maximum     * at 440 V for combination switch + gG fuse maximum     * at 440 V for combination switch + gG fuse maximum     * at 440 V for combination switch + gG fuse maximum     * at 440 V for combination switch + gG fuse maximum     * at 440 V for combination switch + gG fuse maximum     * at 440 V for combination switch + gG fuse maximum     * at 450 V for combination switch + gG fuse maximum     * at 450 V for combination switch + gG fuse maximum     * at 450 V for combination switch + gG fuse maximum     * at 450 V for combination switch + gG fuse maximum     * at 450 V for combination switch + gG		
• maintenance/repair switch  Product details  product feature can be locked into OFF position  coessories  product extension optional  • motor drive  • voltage trigger  number of connectable NC contacts for auxiliary contacts attachable maximum  number of connectable NC contacts for auxiliary contacts attachable maximum  number of connectable NC contacts for auxiliary contacts attachable maximum  number of connectable NC contacts for auxiliary contacts attachable maximum  number of connectable NC contacts for auxiliary contacts attachable maximum  number of bracket locks maximum  number of bracket locks maximum  2 hasp thickness of the bracket locks  Short circuit  conditional short-circuit current with line-side fuse protection  • at 690 V by gG fuse rated value  let-through current with closed switch  • at 240 V for combination switch + gG fuse maximum  • at 440 V for combination switch + gG fuse maximum  • at 440 V for combination switch + gG fuse maximum  • at 440 V for combination switch + gG fuse maximum  • at 440 V for combination switch + gG fuse maximum  • at 440 V for combination switch + gG fuse maximum  • at 440 V for combination switch + gG fuse maximum  • at 440 V for combination switch + gG fuse maximum  • at 440 V for combination switch + gG fuse maximum  • at 440 V for combination switch + gG fuse maximum  • at 440 V for combination switch + gG fuse maximum  • at 440 V for combination switch + gG fuse maximum  • at 440 V for combination switch + gG fuse maximum  • at 680 V for combination switch + gG fuse maximum  • at 680 V for combination switch + gG fuse maximum  • at 680 V for combination switch + gG fuse maximum  • at 680 V for combination switch + gG fuse maximum  • at 680 V for combination switch + gG fuse maximum  • at 680 V for combination switch + gG fuse maximum  • at 680 V for combination switch + gG fuse maximum  • at 680 V for combination switch + gG fuse maximum  • at 680 V for combination switch + gG fuse maximum  • at 680 V for combination switch + gG fuse maximum  • at 680 V		
Product feature can be locked into OFF position  product feature can be locked into OFF position  product extension optional  motor drive  voltage trigger  number of connectable NC contacts for auxiliary contacts attachable maximum  number of connectable NC contacts for auxiliary contacts attachable maximum  number of connectable NC contacts for auxiliary contacts attachable maximum  number of connectable CO contacts for auxiliary contacts attachable maximum  number of connectable CO contacts for auxiliary contacts attachable maximum  number of bracket locks maximum  a basp thickness of the bracket locks  4 6 mm  Short circuit  conditional short-circuit current with line-side fuse protection  a 16 80 V by gG fuse rated value  50 kA  let-through current with closed switch  a 12 40 V for combination switch + gG fuse maximum  a 14 40 V for combination switch + gG fuse maximum  a 16 80 V for combination switch + gG fuse maximum  permissible  l2t value with closed switch  a 12 40 V for combination switch + gG fuse maximum  a 14 40 V for combination switch + gG fuse maximum  a 14 40 V for combination switch + gG fuse maximum  a 14 40 V for combination switch + gG fuse maximum  a 14 40 V for combination switch + gG fuse maximum  a 14 40 V for combination switch + gG fuse maximum  a 14 40 V for combination switch + gG fuse maximum  a 14 40 V for combination switch + gG fuse maximum  a 14 40 V for combination switch + gG fuse maximum  b 12 to value with closed switch  a 12 to value with closed switch  a 14 40 V for combination switch + gG fuse maximum  a 14 40 V for combination switch + gG fuse maximum  b 14 to switch  a 15 kA2 s  a 16 80 V for combination switch + gG fuse maximum  a 14 40 V for combination switch + gG fuse maximum  a 14 40 V for combination switch + gG fuse maximum  b 15 kA2 s  a 16 80 V for combination switch + gG fuse maximum  a 14 40 V for combination switch + gG fuse maximum  b 16 kA2 s  a 17 kA2 s  b 18 kA2 s  a 18 gU full switch  a 18 kA2 s  b 18 kA2 s  b 18 kA2 s  b 18 kA2 s  b 18 kA3 s  b 1		
product feature can be locked into OFF position  coessories  product extension optional  motor drive  voltage trigger  No  number of connectable NC contacts for auxiliary contacts attachable maximum  number of connectable NC contacts for auxiliary contacts attachable maximum  number of connectable NC contacts for auxiliary contacts attachable maximum  number of bracket locks maximum  number of bracket locks maximum  2  hasp thickness of the bracket locks  Short circuit  conditional short-circuit current with line-side fuse protection  a clear of by by gG fuse rated value  let-through current with closed switch  at 240 V for combination switch + gG fuse maximum  at 440 V for combination switch + gG fuse maximum		Yes
product extension optional  motor drive  voltage trigger  number of connectable NC contacts for auxiliary contacts attachable maximum  number of connectable NC contacts for auxiliary contacts attachable maximum  number of connectable NC contacts for auxiliary contacts attachable maximum  number of connectable CO contacts for auxiliary contacts attachable maximum  number of bracket locks maximum  2 hasp thickness of the bracket locks  Short circuit  conditional short-circuit current with line-side fuse protection  at 690 V by gG fuse rated value  1et-through current with closed switch  at 440 V for combination switch + gG fuse maximum  at 440 V for combination switch + gG fuse maximum  at 440 V for combination switch + gG fuse maximum  at 440 V for combination switch + gG fuse maximum  at 440 V for combination switch + gG fuse maximum  at 440 V for combination switch + gG fuse maximum  at 440 V for combination switch + gG fuse maximum  at 440 V for combination switch + gG fuse maximum  at 440 V for combination switch + gG fuse maximum  at 440 V for combination switch + gG fuse maximum  at 440 V for combination switch + gG fuse maximum  at 440 V for combination switch + gG fuse maximum  at 690 V for combination switch + gG fuse maximum  at 690 V for combination switch + gG fuse maximum  at 690 V for combination switch + gG fuse maximum  at 690 V for combination switch + gG fuse maximum  at 690 V for combination switch + gG fuse maximum  at 690 V for sort-circuit protection of the auxiliary switch required  fuse gL/gG: 20 A  fuse gL/gG: 10 A  operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1  rated value  operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1  rated value  short-tircue withstand current (SCCR) at 600 V according to UL 508/UL 60947-4-1  rated value  short-tircue withstand current (SCCR) at 600 V according to UL 508/UL 60947-4-1  stoke Down AC at 600 V according to UL 508/UL 60947-4-1  stoke Down AC at 600 V according to UL 508/UL 60947-4-1  stoke Down AC at 600 V ac		Ves
product extension optional  • motor drive  • voltage trigger  number of connectable NC contacts for auxiliary contacts attachable maximum  number of connectable NC contacts for auxiliary contacts attachable maximum  number of connectable CO contacts for auxiliary contacts attachable maximum  number of connectable CO contacts for auxiliary contacts attachable maximum  number of bracket locks maximum  2  hasp thickness of the bracket locks  Short circuit  conditional short-circuit current with line-side fuse protection  • at 690 V by gG fuse rated value  10 kA  let-through current with closed switch  • at 240 V for combination switch + gG fuse maximum  • at 440 V for combination switch + gG fuse maximum  • at 440 V for combination switch + gG fuse maximum  • at 440 V for combination switch + gG fuse maximum  • at 440 V for combination switch + gG fuse maximum  • at 440 V for combination switch + gG fuse maximum  • at 440 V for combination switch + gG fuse maximum  • at 440 V for combination switch + gG fuse maximum  • at 440 V for combination switch + gG fuse maximum  • at 680 V for combination switch + gG fuse maximum  • at 680 V for combination switch + gG fuse maximum  • at 680 V for combination switch + gG fuse maximum  • at 680 V for combination switch + gG fuse maximum  • at 680 V for combination switch + gG fuse maximum  • at 680 V for combination switch + gG fuse maximum  • at 680 V for combination switch + gG fuse maximum  • (at 680 V for combination switch + gG fuse maximum  • (at 680 V for combination switch + gG fuse maximum  • (at 680 V for combination switch + gG fuse maximum  • (at 680 V for combination switch + gG fuse maximum  • (at 680 V for combination switch + gG fuse maximum  • (at 680 V for combination switch + gG fuse maximum  • (at 680 V for combination switch + gG fuse maximum  • (at 680 V for combination switch + gG fuse maximum  • (at 680 V for combination switch + gG fuse maximum  • (at 680 V for combination switch + gG fuse maximum  • (at 680 V for combination switch + gG fuse maximum		165
Mo		
• voltage trigger number of connectable NC contacts for auxiliary contacts attachable maximum number of connectable NO contacts for auxiliary contacts attachable maximum number of connectable CO contacts for auxiliary contacts attachable maximum number of bracket locks connectable CO contacts for auxiliary contacts attachable maximum number of bracket locks maximum 2 hasp thickness of the bracket locks maximum 2 hasp thickness of the bracket locks maximum 3 hasp thickness of the bracket locks 4 6 mm  Short circuit conditional short-circuit current with line-side fuse protection • at 690 V by GG fuse rated value 50 kA  let-through current with closed switch • at 240 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 4690 V for combination switch + gG fuse maximum at 4690 V for combination switch + gG fuse maximum at 4690 V for combination switch + gG fuse maximum at 4690 V for combination switch + gG fuse maximum at 4690 V for combination switch + gG fuse maximum at 4690 V for combination switch + gG fuse maximum  2.5 kA2.s  design of the fuse link  of or short-circuit protection of the auxiliary switch required fuse gL/gG: 20 A fuse gL/gG: 20 A fuse gL/gG: 10 A goerational current of upstream fuse rated value according UL operational current protection of the auxiliary switch required active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value active power [hp] at AC at 60	·	No
number of connectable NC contacts for auxiliary contacts attachable maximum number of connectable NO contacts for auxiliary contacts attachable maximum number of connectable CO contacts for auxiliary contacts attachable maximum 2 2 4 6 mm Short circuit current with line-side fuse protection • at 690 V by g6 fuse rated value 50 kA let-through current with closed switch • at 240 V for combination switch + g6 fuse maximum 3 kA • at 90 V for combination switch + g6 fuse maximum 3 kA • at 90 V for combination switch + g6 fuse maximum 4 at 40 V for combination switch + g6 fuse maximum 5 kA • at 240 V for combination switch + g6 fuse maximum 5 kA • at 800 V for combination switch + g6 fuse maximum 6 at 240 V for combination switch + g6 fuse maximum 7 skA • at 800 V for combination switch + g6 fuse maximum 8 skA • at 800 V for combination switch + g6 fuse maximum 9 skA • at 800 V for combination switch + g6 fuse maximum 9 skA • at 800 V for combination switch + g6 fuse maximum 10 skA2.s • at 800 V for combination switch + g6 fuse maximum 10 skA2.s • at 800 V for combination switch + g6 fuse maximum 10 skA2.s • at 800 V for combination switch + g6 fuse maximum 10 skA2.s • at 800 V for combination switch + g6 fuse maximum 10 skA2.s • at 800 V for combination switch + g6 fuse maximum 10 skA2.s • at 800 V for combination switch + g6 fuse maximum 10 skA2.s • at 800 V for combination switch + g6 fuse maximum 10 skA2.s • at 800 V for combination switch + g6 fuse maximum 10 skA2.s • at 800 V for combination switch + g6 fuse maximum 10 skA2.s • at 800 V for combination switch + g6 fuse maximum 10 skA2.s • at 800 V for combination switch + g6 fuse maximum 10 skA2.s • at 800 V for combination switch + g6 fuse maximum 10 skA2.s • at 800 V for combination switch + g6 fuse maximum 10 skA2.s • at 800 V for combination switch + g6 fuse maximum 10 skA2.s • at 800 V for combination switch + g6 fuse maximum 10 skA2.s • at 800 V for combination switch + g6 fuse maximum 10 skA2.s • at 800 V for combination switch + g6 fuse maximum 10 s		
attachable maximum number of connectable NO contacts for auxiliary contacts attachable maximum number of connectable CO contacts for auxiliary contacts attachable maximum 2 number of bracket locks maximum 2 hasp thickness of the bracket locks 4 6 mm  Short circuit conditional short-circuit current with line-side fuse protection • at 690 V by gG fuse rated value 50 kA  let-through current with closed switch • at 240 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 240 V for combination switch + gG fuse maximum • at 240 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 240 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse fuse fuse fuse fuse fuse fuse fuse		
attachable maximum number of connectable CO contacts for auxiliary contacts attachable maximum 2 hasp thickness of the bracket locks 3 hort circuit conditional short-circuit current with line-side fuse protection • at 690 V by gG fuse rated value 1et-through current with closed switch • at 240 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum permissible 12t value with closed switch • at 240 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • at 690 V for combination switch + gG fuse maximum • fuse gL/gG: 20 A • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • fuse gL/gG: 10 A  operational current at AC according to UL 508/UL 60947-4-1 rated value  operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value  active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 rated value  active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value  short-time withstand current (SCCR) at 600 V according to UL 508/UL 60947-4-1 rated value	attachable maximum	
attachable maximum number of bracket locks maximum 2 hasp thickness of the bracket locks 4 6 mm  Short circuit conditional short-circuit current with line-side fuse protection • at 690 V by gG fuse rated value 1et-through current with closed switch • at 240 V for combination switch + gG fuse maximum • at 440 V for combination switch + gG fuse maximum 9 at 690 V for combination switch + gG fuse maximum 9 at 690 V for combination switch + gG fuse maximum 9 at 440 V for combination switch + gG fuse maximum 9 at 440 V for combination switch + gG fuse maximum 12t value with closed switch • at 240 V for combination switch + gG fuse maximum 12t value with closed switch • at 240 V for combination switch + gG fuse maximum 12t value with closed switch • at 440 V for combination switch + gG fuse maximum 12t value with closed switch • at 690 V for combination switch + gG fuse maximum 12t value with closed switch 12t value with closed switch 12t value value at 690 V for combination switch + gG fuse maximum 12t value value at 690 V for combination switch + gG fuse maximum 12t value value value value 12t value value 12t value value value value value value 12t value val	attachable maximum	
hasp thickness of the bracket locks  Short circuit  conditional short-circuit current with line-side fuse protection  • at 690 V by gG fuse rated value  et-through current with closed switch  • at 240 V for combination switch + gG fuse maximum  • at 440 V for combination switch + gG fuse maximum  • at 690 V for combination switch + gG fuse maximum  permissible  I2t value with closed switch  • at 240 V for combination switch + gG fuse maximum  at 440 V for combination switch + gG fuse maximum  • at 690 V for combination switch + gG fuse maximum  • at 690 V for combination switch + gG fuse maximum  design of the fuse link  • for short-circuit protection of the main circuit required  • for short-circuit protection of the auxiliary switch required  operational current of upstream fuse rated value  according UL  operational current at AC according to UL 508/UL 60947-4-1  rated value  active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1  rated value  short-tire withstand current (SCCR) at 600 V according to UL 508/UL 60947-4-1  rated value  short-tire withstand current (SCCR) at 600 V according to UL 508/UL 60947-4-1  short-tire withstand current (SCCR) at 600 V according to UL 508/UL 60947-4-1  short-tire withstand current (SCCR) at 600 V according to UL 508/UL 60947-4-1	attachable maximum	
Conditional short-circuit current with line-side fuse protection  • at 690 V by gG fuse rated value  let-through current with closed switch  • at 240 V for combination switch + gG fuse maximum  • at 440 V for combination switch + gG fuse maximum  • at 690 V for combination switch + gG fuse maximum  • at 690 V for combination switch + gG fuse maximum  permissible  12t value with closed switch  • at 240 V for combination switch + gG fuse maximum  • at 440 V for combination switch + gG fuse maximum  • at 490 V for combination switch + gG fuse maximum  • at 690 V for combination switch + gG fuse maximum  • at 690 V for combination switch + gG fuse maximum  • for short-circuit protection of the main circuit required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required fuse gL/gG: 20 A fuse gL/gG: 10 A operational current of upstream fuse rated value  20 A  according UL  operational current at AC according to UL 508/UL 60947-4-1 rated value  operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value  active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 rated value  active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value  short-time withstand current (SCCR) at 600 V according to UL 508/UL 60947-4-1 rated value  short-time withstand current (SCCR) at 600 V according to UL 508/UL 60947-4-1 rated value		
conditional short-circuit current with line-side fuse protection  • at 690 V by gG fuse rated value  let-through current with closed switch  • at 240 V for combination switch + gG fuse maximum  • at 890 V for combination switch + gG fuse maximum  • at 440 V for combination switch + gG fuse maximum  • at 240 V for combination switch + gG fuse maximum  permissible  l2t value with closed switch  • at 240 V for combination switch + gG fuse maximum  • at 440 V for combination switch + gG fuse maximum  • at 440 V for combination switch + gG fuse maximum  • at 690 V for combination switch + gG fuse maximum  • at 690 V for combination switch + gG fuse maximum  • for short-circuit protection of the main circuit required  • for short-circuit protection of the main circuit required  • for short-circuit protection of the auxiliary switch required  operational current of upstream fuse rated value  according UL  operational current at AC according to UL 508/UL 60947-4-1  rated value  operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1  rated value  active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1  rated value  active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1  rated value  active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1  rated value  active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1  rated value  active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1  rated value  active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1  active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1  rated value  active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1  active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1  active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1  active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1	·	4 6 mm
at 690 V by gG fuse rated value  let-through current with closed switch  at 240 V for combination switch + gG fuse maximum  at 690 V for combination switch + gG fuse maximum  at 690 V for combination switch + gG fuse maximum  permissible  l2t value with closed switch  at 240 V for combination switch + gG fuse maximum  at 440 V for combination switch + gG fuse maximum  at 440 V for combination switch + gG fuse maximum  at 690 V for combination switch + gG fuse maximum  at 690 V for combination switch + gG fuse maximum  at 690 V for combination switch + gG fuse maximum  be at 440 V for combination switch + gG fuse maximum  at 690 V for combination switch + gG fuse maximum  closing of the fuse link  for short-circuit protection of the main circuit required  fuse gL/gG: 20 A  fuse gL/gG: 10 A  operational current of upstream fuse rated value  according UL  operational current at AC according to UL 508/UL 60947-4-1  rated value  operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1  rated value  active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1  rated value  active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1  rated value  short-time withstand current (SCCR) at 600 V according to UL  5 kA  508/UL 60947-4-1  Sobarua SkA  skA  skA  4 at 480 V according to UL  5 kA  5 kA		
let-through current with closed switch  • at 240 V for combination switch + gG fuse maximum  • at 440 V for combination switch + gG fuse maximum  • at 690 V for combination switch + gG fuse maximum  permissible  Izt value with closed switch  • at 240 V for combination switch + gG fuse maximum  • at 440 V for combination switch + gG fuse maximum  • at 440 V for combination switch + gG fuse maximum  • at 440 V for combination switch + gG fuse maximum  • at 690 V for combination switch + gG fuse maximum  • at 690 V for combination switch + gG fuse maximum  • for short-circuit protection of the main circuit required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required fuse gL/gG: 20 A  • for short-circuit protection of the auxiliary switch required fuse gL/gG: 10 A  operational current of upstream fuse rated value  20 A  according UL  operational current at AC according to UL 508/UL 60947-4-1  rated value  operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1  rated value  active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1  rated value  short-time withstand current (SCCR) at 600 V according to UL  508/UL 60947-4-1  For at 440 V for combination switch + gG fuse maximum  3 kA  3 kA  3 kA  4 A  6 A  6 A  6 A  6 A  6 A  6 A  6	•	
at 240 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum permissible  Izt value with closed switch at 240 V for combination switch + gG fuse maximum at 240 V for combination switch + gG fuse maximum at 240 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 440 V for combination switch + gG fuse maximum at 450 V for combination switch + gG fuse maximum at 690 V for combination switch + gG fuse maximum at 690 V for short-circuit protection of the main circuit required fuse gL/gG: 20 A for short-circuit protection of the auxiliary switch required fuse gL/gG: 10 A operational current of upstream fuse rated value according UL operational current at AC according to UL 508/UL 60947-4-1 rated value operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 rated value short-time withstand current (SCCR) at 600 V according to UL 508/UL 60947-4-1  SkA  SkA  SkA  SkA  SkA  ScA  ScA-2.8  2.5 kA2.8  4.5 kA2.8  4.6 a 690 V for combination switch + gG fuse maximum at 4.6 a c.9 kA2.8  4.7 a c.9 kA2.8  4.8 a 690 V for combination switch + gG fuse maximum at 4.8 a c.9 kA2.8  4.8 a c.9 kA2.8  4.9 a c.9 kA2.8  4.0 a c.9 kA2.8  4.1 a c.9 kA2.8  4.1 a c.9 kA2.8  4.2 a c.9 kA2.8  4.4 a c.9 kA2.8  4.5 a c.9 kA2.8  4.6 a c.9 kA2.	· · ·	50 kA
<ul> <li>at 440 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum permissible</li> <li>IZt value with closed switch</li> <li>at 240 V for combination switch + gG fuse maximum</li> <li>at 440 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>at 690 V for combination switch + gG fuse maximum</li> <li>for short-circuit protection of the main circuit required</li> <li>for short-circuit protection of the auxiliary switch required</li> <li>for short-circuit protection of the auxiliary switch required</li> <li>fuse gL/gG: 20 A</li> <li>for short-dircuit protection of the auxiliary switch required</li> <li>operational current of upstream fuse rated value</li> <li>according UL</li> <li>operational current at AC according to UL 508/UL 60947-4-1 rated value</li> <li>active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 rated value</li> <li>active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value</li> <li>short-time withstand current (SCCR) at 600 V according to UL 508/UL 60947-4-1 rated value</li> </ul>		
at 690 V for combination switch + gG fuse maximum permissible  12t value with closed switch  at 240 V for combination switch + gG fuse maximum  at 440 V for combination switch + gG fuse maximum  at 490 V for combination switch + gG fuse maximum  at 690 V for combination switch + gG fuse maximum  below the fuse link  for short-circuit protection of the main circuit required  for short-circuit protection of the auxiliary switch required  operational current of upstream fuse rated value  operational current at AC according to UL 508/UL 60947-4-1 rated value  operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value  active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 rated value  active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value  short-time withstand current (SCCR) at 600 V according to UL 508/UL 60947-4-1  Soa/UL 60947-4-1  Soa/UL 60947-4-1	_	
I2t value with closed switch  • at 240 V for combination switch + gG fuse maximum  • at 440 V for combination switch + gG fuse maximum  • at 440 V for combination switch + gG fuse maximum  • at 690 V for combination switch + gG fuse maximum  3 kA2.s  • at 690 V for combination switch + gG fuse maximum  6 for short-circuit protection of the main circuit required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  operational current of upstream fuse rated value  20 A  according UL  operational current at AC according to UL 508/UL 60947-4-1 rated value  operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value  active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 rated value  short-time withstand current (SCCR) at 600 V according to UL 508/UL 508/UL 508/UL 60947-4-1  5 kA		
12t value with closed switch  • at 240 V for combination switch + gG fuse maximum  • at 440 V for combination switch + gG fuse maximum  • at 690 V for combination switch + gG fuse maximum  • at 690 V for combination switch + gG fuse maximum  design of the fuse link  • for short-circuit protection of the main circuit required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  operational current of upstream fuse rated value  20 A  according UL  operational current at AC according to UL 508/UL 60947-4-1  rated value  operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value  active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 rated value  active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value  short-time withstand current (SCCR) at 600 V according to UL 508/UL 60947-4-1  5 kA		3 KA
at 440 V for combination switch + gG fuse maximum at 690 V for combination switch + gG fuse maximum be at 690 V for combination switch + gG fuse maximum  at 690 V for combination switch + gG fuse maximum be for short-circuit protection of the main circuit required be for short-circuit protection of the auxiliary switch required be for short-circuit protection of the auxiliary switch required be for short-circuit protection of the auxiliary switch required be operational current of upstream fuse rated value  according UL  operational current at AC according to UL 508/UL 60947-4-1 rated value  operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value  active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 rated value  active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value  short-time withstand current (SCCR) at 600 V according to UL 508/UL 60947-4-1	•	
at 440 V for combination switch + gG fuse maximum at 690 V for combination switch + gG fuse maximum be at 690 V for combination switch + gG fuse maximum  at 690 V for combination switch + gG fuse maximum be for short-circuit protection of the main circuit required be for short-circuit protection of the auxiliary switch required be for short-circuit protection of the auxiliary switch required be for short-circuit protection of the auxiliary switch required be operational current of upstream fuse rated value  according UL  operational current at AC according to UL 508/UL 60947-4-1 rated value  operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value  active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 rated value  active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value  short-time withstand current (SCCR) at 600 V according to UL 508/UL 60947-4-1	• at 240 V for combination switch + gG fuse maximum	2.5 kA2.s
at 690 V for combination switch + gG fuse maximum  design of the fuse link  for short-circuit protection of the main circuit required  fuse gL/gG: 20 A  for short-circuit protection of the auxiliary switch required  operational current of upstream fuse rated value  according UL  operational current at AC according to UL 508/UL 60947-4-1  rated value  operating voltage at AC at 50/60 Hz according to UL 508/UL  active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 rated value  active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value  active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value  short-time withstand current (SCCR) at 600 V according to UL  5 kA	_	2.5 kA2.s
design of the fuse link  • for short-circuit protection of the main circuit required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  operational current of upstream fuse rated value  20 A  according UL  operational current at AC according to UL 508/UL 60947-4-1 rated value  operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value  active power [hp] at AC at 480 V according to UL 508/UL 60947-4-1 rated value  active power [hp] at AC at 600 V according to UL 508/UL 60947-4-1 rated value  short-time withstand current (SCCR) at 600 V according to UL 508/UL 60947-4-1	_	3 kA2.s
● for short-circuit protection of the auxiliary switch required operational current of upstream fuse rated value  20 A  according UL  operational current at AC according to UL 508/UL 60947-4-1 rated value  operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value  active power [hp] at AC at 480 V according to UL 508/UL 60947- 4-1 rated value  active power [hp] at AC at 600 V according to UL 508/UL 60947- 4-1 rated value  short-time withstand current (SCCR) at 600 V according to UL 508/UL 60947-4-1  5 kA	<u> </u>	
operational current of upstream fuse rated value  according UL  operational current at AC according to UL 508/UL 60947-4-1 rated value  operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value  active power [hp] at AC at 480 V according to UL 508/UL 60947- 4-1 rated value  active power [hp] at AC at 600 V according to UL 508/UL 60947- 4-1 rated value  short-time withstand current (SCCR) at 600 V according to UL 508/UL 60947-4-1	• for short-circuit protection of the main circuit required	fuse gL/gG: 20 A
according UL  operational current at AC according to UL 508/UL 60947-4-1 rated value  operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value  active power [hp] at AC at 480 V according to UL 508/UL 60947- 4-1 rated value  active power [hp] at AC at 600 V according to UL 508/UL 60947- 4-1 rated value  short-time withstand current (SCCR) at 600 V according to UL 508/UL 60947-4-1	• for short-circuit protection of the auxiliary switch required	fuse gL/gG: 10 A
operational current at AC according to UL 508/UL 60947-4-1 rated value  operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value  active power [hp] at AC at 480 V according to UL 508/UL 60947- 4-1 rated value  active power [hp] at AC at 600 V according to UL 508/UL 60947- 4-1 rated value  short-time withstand current (SCCR) at 600 V according to UL 508/UL 60947-4-1	operational current of upstream fuse rated value	20 A
rated value  operating voltage at AC at 50/60 Hz according to UL 508/UL 60947-4-1 rated value  active power [hp] at AC at 480 V according to UL 508/UL 60947- 4-1 rated value  active power [hp] at AC at 600 V according to UL 508/UL 60947- 4-1 rated value  short-time withstand current (SCCR) at 600 V according to UL 508/UL 60947-4-1	according UL	
active power [hp] at AC at 480 V according to UL 508/UL 60947- 4-1 rated value  active power [hp] at AC at 600 V according to UL 508/UL 60947- 4-1 rated value  short-time withstand current (SCCR) at 600 V according to UL 508/UL 60947-4-1		16 A
4-1 rated value  active power [hp] at AC at 600 V according to UL 508/UL 60947- 4-1 rated value  short-time withstand current (SCCR) at 600 V according to UL 508/UL 60947-4-1		600 V
4-1 rated value  short-time withstand current (SCCR) at 600 V according to UL 508/UL 60947-4-1  5 kA		7.5
508/UL 60947-4-1		10
continuous current of upstream fuse according to UL rated value 50 A		5 kA
	continuous current of unstream fuse according to LIL rated value	50 A

type of fuse according to UL	RK5
Connections	
AWG number as coded connectable conductor cross section solid	
• maximum	10
• minimum	18
type of connectable conductor cross-sections for copper conductor	
• solid	1x (16mm²)
<ul> <li>finely stranded with core end processing</li> </ul>	1x (14mm²)
stranded	1x (16mm²)
type of connectable conductor cross-sections for auxiliary contacts	
• solid	2x (0.75 2.5 mm²), 1x 4 mm²
<ul> <li>finely stranded with core end processing</li> </ul>	2x (0.75 1.5 mm²), 1x 2.5 mm²
stranded	2x (0.75 2.5 mm²), 1x 4 mm²
type of electrical connection	
for main current circuit	box terminal
for auxiliary contacts	connection terminals
Mechanical Design	
height	45 mm
width	53 mm
depth	91 mm
type of device	fixed mounting
fastening method	Built-in unit fixed-mounted version
fastening method	
4-hole front mounting	No
<ul> <li>front mounting with central attachment</li> </ul>	No
rail mounting	Yes
net weight	178.4 g
Environmental conditions	
ambient temperature during operation	
• minimum	-25 °C
• maximum	55 °C
ambient temperature during storage	
• minimum	-25 °C
• maximum	55 °C
General Product Approval	





Confirmation





Miscellaneous

General Product Approval

**Declaration of Conformity** 

**Test Certificates** 

Marine / Shipping

other

FAC

CE EG-Konf.



Special Test Certificate



Miscellaneous

other

Environment

Confirmation

Environmental Confirmations

Further information

Siemens has decided to exit the Russian market (see here). https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

## Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

## Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

Information- and Downloadcenter (Catalogs, Brochures,...)

http://www.siemens.com/lowvoltage/catalogs

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3LD2030-1TL13

 $Service \& Support \ (Manuals, \ Certificates, \ Characteristics, \ FAQs, ...)$ 

https://support.industry.siemens.com/cs/ww/en/ps/3LD2030-1TL13

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

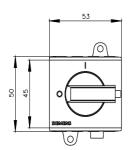
http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3LD2030-1TL13

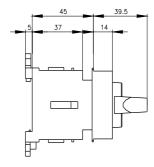
**CAx-Online-Generator** 

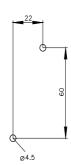
http://www.siemens.com/cax

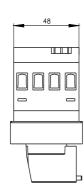
**Tender specifications** 

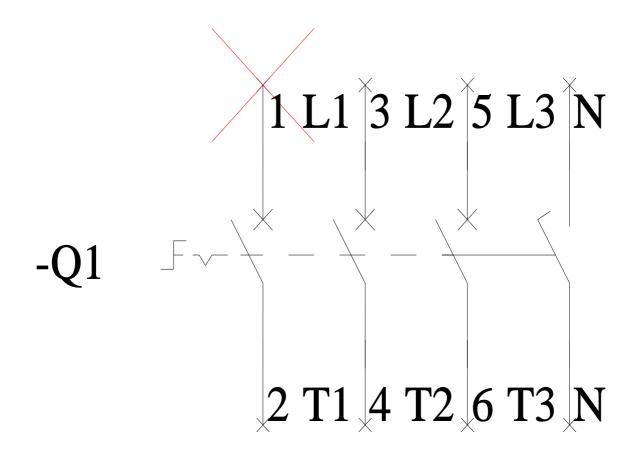
http://www.siemens.com/specifications



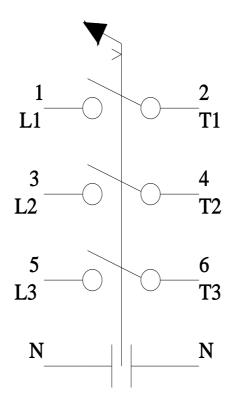








-CI



last modified: 6/20/2023 🖸

## **Mouser Electronics**

**Authorized Distributor** 

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Siemens:

3LD20301TL13